



NTSB National Transportation Safety Board

Office of Marine Safety

Accident Overview

Investigative Team

- Brian Curtis, IIC/Engineering
- Rob Jones, Deck Operations
- Liam LaRue, Survival Factors
- Barry Strauch, Human Performance
- Member Higgins, Member on Scene
- Denise Daniels, Special Assistant
- Charlotte Cox, Writer/Editor
- Chris Babcock, VDR Group
- Keith Holloway, Public Affairs

Presenters

- Overview, B. Curtis
- Events leading to grounding, R. Jones
- Human factors, B. Strauch
- Survival factors, L. LaRue

Empress of the North



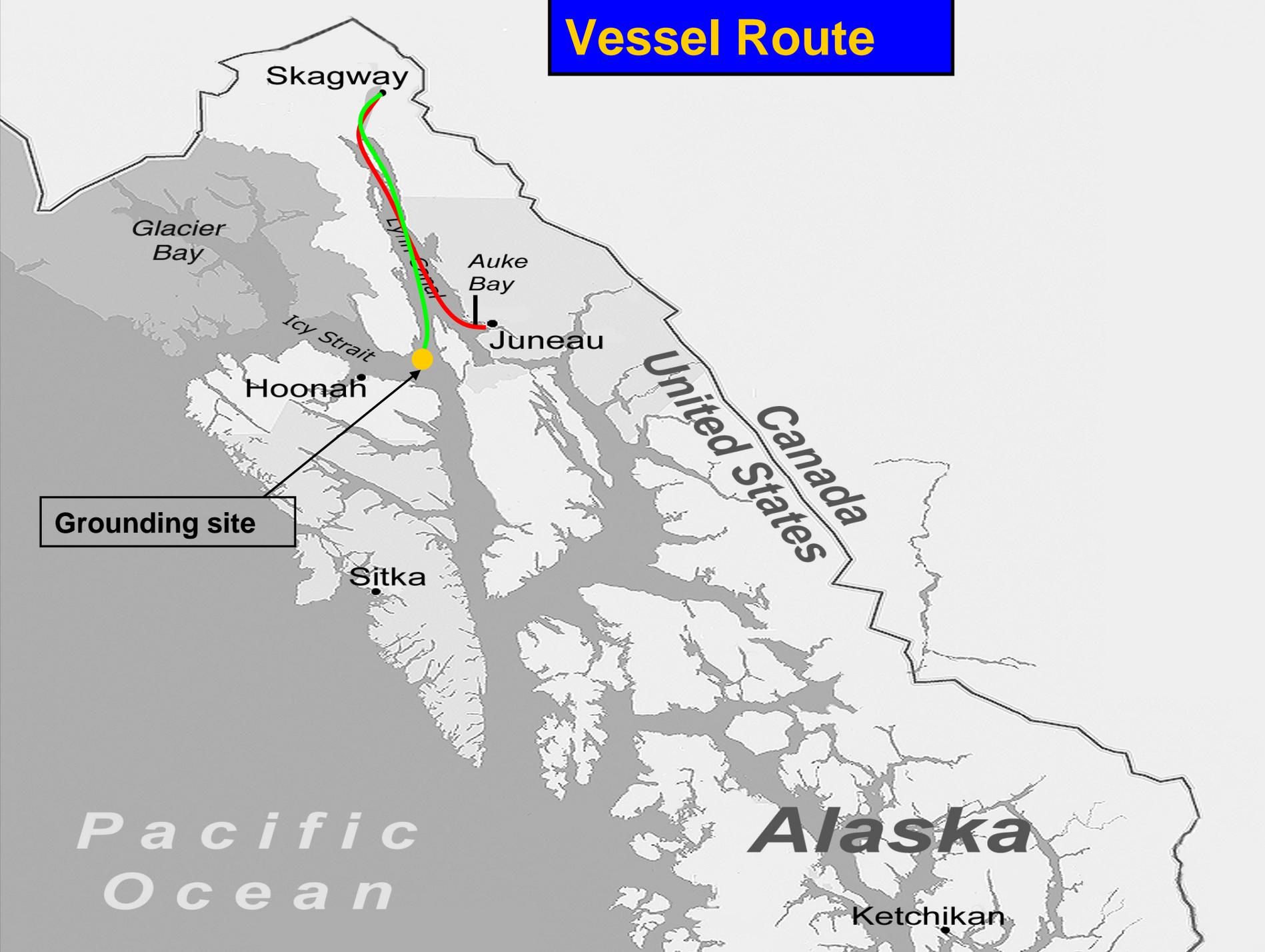
NTSB



Majestic America Line

- Formed in 2006
- Combined assets of 2 companies
- 7 vessels in fleet

Vessel Route



Wreckage



NTSB



Wreckage



Investigation Parties

- United States Coast Guard
- Majestic America Line

Exclusions

- Weather
- Aids to navigation
- Propulsion and steering
- Drugs and alcohol
- Watchstander fatigue

Inspection of Vessel's Documentation

- Company required to comply with international regulations
 - Invalid Document of Compliance
 - Invalid Safety Management Certificate
- Coast Guard inspectors failed to identify either deficiency

Actions Taken by Coast Guard

- Periodic lessons-learned staff meetings
- Re-evaluation of inspection checklists
- Review documents for upcoming inspections
- Weekly training

Company Postaccident Actions

- Revised Safety Management System
- Other safety improvements



NTSB